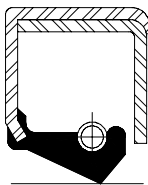
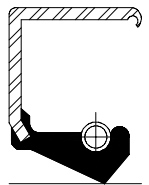
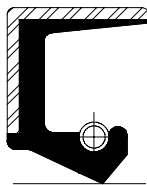
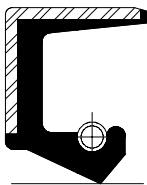
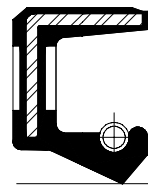
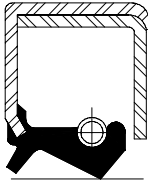
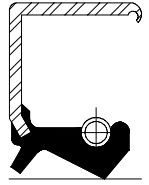
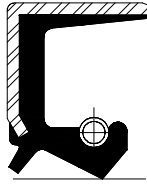
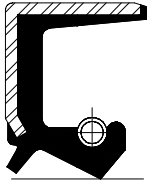
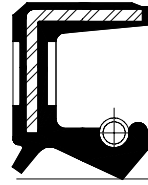
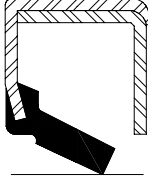
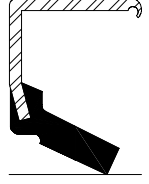
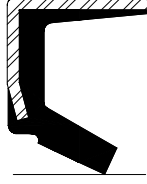
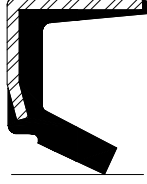
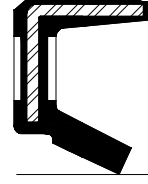
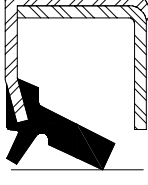
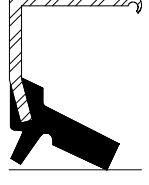
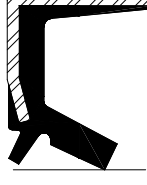
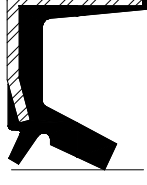
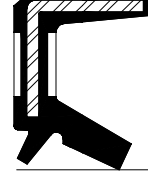
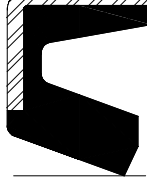
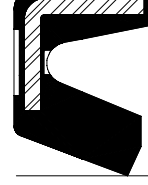


Seal Types

Generally, seals with spring-loaded lips are used for retaining oil lubricants and non-loaded lips are used for low-speed grease retention. Metal O.D. seals are more suited for steel and cast iron housings. A press fit metal O.D. seal has greater holding strength and better alignment. As a general rule, the shaft surface speed of the "V" and "K" type seal should be less than 10 M/s (33 feet/sec.)

Lip Design	Case Design	A2	B2	B	BR	C
	Application and Description	Metal O.D. design with an inner case for greater structural rigidity.	Most common and economical metal O.D. design.	Metal O.D. design with fluid side rubber covered.	Metal O.D. design with a nose gasket for face sealing and the fluid side is rubber covered.	Rubber covered O.D. design for excellent O.D. sealing.
S	Single lip spring loaded. Low pressure-fluid sealing applications and severe grease sealing conditions.	 SA2	 SB2	 SB	 SBR	 SC
T	Double lip spring loaded. Low pressure-fluid sealing and severe grease sealing conditions with light dust exclusions.	 TA2	 TB2	 TB	 TBR	 TC
V	Economical design, single lip for grease retention or sealing viscous fluids.	 VA2	 VB2	 VB	 VBR	 VC
K	Double lip economical design, grease retention or sealing viscous fluids. Light dust exclusions.	 KA2	 KB2	 KB	 KBR	 KC
WP	Dust wiper or scraper for hydraulic or pneumatic cylinder applications.			 WPB		 WPC

National Interchange Tables

<i>National Part No.</i>	<i>Clark Seal Part No.</i>	<i>National Part No.</i>	<i>Clark Seal Part No.</i>	<i>National Part No.</i>	<i>Clark Seal Part No.</i>
470328	TB2-1.187-1.686-0.375	471391	TB2-1.937-3.125-.375	471737	TB2-1.250-1.874-.250
470334	TB2-1.750-2.686-0.375	471407	TB2-1.250-2.441-.375	471744	TB2-1.000-1.983-.250
470350	TB2-2.375-3.371-0.468	471413	TB2-1.250-1.752-.250	471750	TB2-1.250-1.983-.250
470354	TB2-2.187-3.189-0.437	471419	TB2-1.625-2.437-.375	471760	TB2-1.000-2.000-.250
470361	TB2-1.750-2.561-0.500	471424	TB2-2.00-2.623-.312	471763	TB2-1.125-2.000-.250
470380	TB2-1.500-2.375-0.312	471442	TB2-.500-.999-.250	471765	TB2-1.187-2.000-.250
470390	TB2-0.750-1.874-0.250	471466	TB2-.625-1.124-.250	471766	TB2-1.250-2.000-.250
470394	TB2-1.500-2.125-0.437	471472	TB2-.500-1.250-.250	471772	TB2-1.062-2.000-.375
470451	TB2-1.500-2.062-0.437	471498	TB2-.750-1.575-.312	471785	TB2-1.125-2.062-.250
470515	TB2-0.812-1.561-0.375	471504	TB2-1.750-2.437-.312	471787	TB2-1.250-2.062-.250
470522	TB2-1.375-2.000-0.437	471526	TB2-.500-1.124-.250	471795	TB2-1.250-2.125-.250
470530	TB2-2.000-2.996-0.375	471529	TB2-.687-1.124-.250	471801	TB2-1.250-2.252-.375
470543	TB2-2.000-2.716-0.468	471530	TB2-.531-1.124-.312	471808	TB2-1.250-2.374-.375
470565	TB2-2.375-3.125-0.375	471532	TB2-.593-1.124-.312	471818	TB2-1.250-2.437-.375
470590	TB2-0.875-1.752-0.250	471535	TB2-.562-1.250-.250	471820	TB2-1.500-2.437-.375
470592	TB2-0.812-1.499-0.312	471538	TB2-.687-1.250-.250	471821	TB2-1.562-2.437-.375
470596	TB2-1.687-2.835-0.468	471539	TB2-.812-1.250-.250	471827	TB2-1.562-2.441-.375
470601	TB2-0.781-1.250-0.250	471551	TB2-.562-1.375-.250	471829	TB2-1.625-2.441-.375
470605	TB2-2.500-3.371-0.375	471553	TB2-.687-1.375-.250	471831	TB2-1.750-2.441-.375
470625	TB2-1.500-2.250-0.312	471554	TB2-.750-1.375-.250	471833	TB2-1.250-2.502-.375
470682	TB2-1.562-2.623-0.312	471555	TB2-.500-1.375-.312	471835	TB2-1.375-2.502-.375
470687	TB2-1.687-3.125-0.500	471558	TB2-.593-1.375-.312	471841	TB2-1.843-2.502-.375
470712	TB2-1.125-1.874-0.250	471564	TB2-.625-1.499-.250	471854	TB2-1.937-2.561-.500
470737	TB2-2.250-3.189-0.437	471567	TB2-.750-1.499-.250	471862	TB2-1.437-2.686-.375
470774	TB2-1.375-2.062-0.375	471570	TB2-.875-1.499-.250	471866	TB2-1.812-2.686-.375
470867	TB2-2.125-2.875-0.437	471571	TB2-.937-1.499-.250	471868	TB2-1.875-2.686-.375
470898	TB2-2.125-2.875-0.375	471579	TB2-.687-1.499-.312	471869	TB2-1.937-2.686-.375
470950	TB2-1.375-2.437-0.375	471612	TB2-.625-1.575-.312	471883	TB2-2.000-2.686-.437
470954	TB2-0.750-1.250-0.250	471618	TB2-1.000-1.575-.312	471887	TB2-2.437-3.125-.375
471060	TB2-1.125-2.125-0.437	471633	TB2-.875-1.577-.250	471915	TB2-1.500-2.835-.468
471076	TB2-1.031-1.575-0.312	471643	TB2-.750-1.624-.250	471949	TB2-2.125-2.750-.500
471137	TB2-0.875-1.828-0.375	471645	TB2-.812-1.624-.250	471958	TB2-1.500-3.000-.375
471138	TB2-2.250-3.125-0.375	471646	TB2-.875-1.624-.250	471981	TB2-1.687-3.000-.375
471141	TB2-1.750-2.875-0.375	471647	TB2-.937-1.624-.250	471984	TB2-1.750-3.000-.375
471192	TB2-1.375-2.125-0.312	471648	TB2-.968-1.624-.250	472012	TB2-2.062-3.000-.375
471224	TB2-1.000-1.499-0.250	471649	TB2-1.000-1.624-.250	472015	TB2-2.125-3.000-.375
471231	TB2-0.812-1.375-0.312	471651	TB2-1.062-1.624-.250	472016	TB2-2.125-3.215-.375
471255	TB2-0.625-1.375-0.250	471652	TB2-1.125-1.624-.250	472018	TB2-2.187-3.000-.375
471264	TB2-0.625-1.250-0.250	471686	TB2-.812-1.752-.250	472020	TB2-2.187-3.125-.375
471267	TB2-0.875-1.375-0.250	471688	TB2-.968-1.752-.250	472029	TB2-2.500-3.189-.375
471270	TB2-1.000-1.561-0.250	471689	TB2-1.00-1.756-.250	472041	TB2-1.875-2.502-.375
471271	TB2-2.500-3.251-0.375	471692	TB2-1.125-1.752-.250	472070	TB2-1.812-2.623-.375
471272	TB2-2.250-3.000-0.375	471698	TB2-.750-1.752-.312	472082	TB2-2.000-2.880-.375
471276	TB2-1.375-2.441-0.375	471705	TB2-1.062-1.752-.312	472144	TB2-1.937-2.875-.312
471281	TB2-0.562-1.124-0.250	471709	TB2-1.250-1.752-.312	472150	TB2-2.312-3.125-.375
471315	TB2-.562-.999-.250	471729	TB2-.812-1.874-.250	472164	TB2-1.750-2.502-.312
471316	TB2-1.562-2.686-.375	471730	TB2-.875-1.874-.250	472179	TB2-1.750-2.750-.312
471341	TB2-2.250-2.996-.437	471733	TB2-1.000-1.874-.250	472185	TB2-1.750-2.623-.312
471344	TB2-1.500-2.441-.375	471735	TB2-1.062-1.874-.250	472213	TB2-1.562-2.250-.312
471354	TB2-1.187-2.062-.250	471736	TB2-1.156-1.874-.250	472234	TB2-2.187-2.996-.375

NOTE: The seal part number consists of the Design Type, Shaft Diameter, Housing Bore Diameter and Seal Width dimensions, respectively. The letter designation at the end of the part number indicates the type of elastomer which is used. If there is no letter at the end, the elastomer will be nitrile.

Lip materials: Blank-Nitrile, "E"-Neoprene, "P"-Polyacrylate, "S"-Silicone, "T"-TFE (Teflon), "V"-Viton